

How Stages Correlates with Maryland Learning Outcomes¹

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Mathematics Grades PreK-3 Maryland Learning Outcomes and Indicators

LEARNING OUTCOME 1:

ALGEBRA, PATTERNS, AND FUNCTIONS.

1. Identify, describe, extend, and create a variety of numeric and non-numeric patterns.

Related Stages Assessment Activities:

Stage Four: Math Readiness: Patterns (non-numeric patterns)

LEARNING OUTCOME 2:

GEOMETRY AND MEASUREMENT.

1. Identify one-, two-, and three-dimensional figures.
2. Use rulers, scales, thermometers, and clocks to measure.

Related Stages Assessment Activities:

Stage Four: Math Readiness: Explore Shapes, Shape ID (two-dimensional figures only)

Stage Six: Assess: Telling Time

LEARNING OUTCOME 3:

STATISTICS AND PROBABILITY.

1. Interpret tables, pictographs, and bar graphs.

Related Stages Assessment Activities:

Stage Five: Math: Charts and Graphs

¹ Information found in Maryland Learning Outcomes, March 8, 2000 (Downloaded PDF file October 18, 2001).
Source: <http://www.mdk12.org/mspp/mspap/whats-tested/learneroutcomes/index.html>

LEARNING OUTCOME 4:

NUMBER RELATIONSHIPS AND COMPUTATION.

- 1.** Read, write, and represent whole numbers (cardinal and ordinal) and simple fractions using symbols and words.
- 2.** Compare, order, and describe whole numbers less than 1,000 using place value concepts.
- 5.** Add and subtract whole numbers with regrouping whose sum is less than 1,000.
- 8.** Identify, name, compare, and determine the value of a given set of currency through one hundred dollars and use this knowledge to solve problems.

Related Stages Assessment Activities:

Stage Four: *Math Readiness:* Number ID, Counting (cardinal numbers only)

Stage Five: *Math:* Math Facts, Number Guess

Stage Six: *Explore:* Money Orientation (through twenty dollars)

Assess: Money ID, Counting Money, Money Equivalents (through twenty dollars)

LEARNING OUTCOME 5:

PROCESSES OF MATHEMATICS.

- 5. (Problem Solving)** Organize, interpret, and use relevant information.
- 7. (Problem Solving)** Show that no solution or multiple solutions may exist.
- 17. (Reasoning)** Make predictions or draw conclusions from available information.
- 24. (Connections)** Use mathematical concepts and processes to translate personal experiences into mathematical language.

Related Stages Assessment Activities:

Stage Five: *Math:* Charts and Graphs

Problem Solving: Number Guess, Tic-Tac-Toe, Mystery Puzzles

Stage Six: *Explore:* Money Orientation

Assess: Money ID, Counting Money, Money Equivalents

Writing Grades PreK-3

Maryland Learning Outcomes and Indicators

LEARNING OUTCOME 1:

STUDENTS WILL DEMONSTRATE THEIR ABILITY TO WRITE TO INFORM BY DEVELOPING AND ORGANIZING FACTS TO CONVEY INFORMATION.

LEARNING OUTCOME 2:

STUDENTS WILL DEMONSTRATE ABILITY TO WRITE TO PERSUADE BY SELECTING AND ORGANIZING RELEVANT INFORMATION, ESTABLISHING AN ARGUMENTATIVE PURPOSE, AND BY DESIGNING AND APPROPRIATE STRATEGY FOR AN IDENTIFIED AUDIENCE.

LEARNING OUTCOME 3:

STUDENTS DEMONSTRATE THEIR ABILITY TO WRITE TO EXPRESS PERSONAL IDEAS BY SELECTING A FORM AND ITS APPROPRIATE ELEMENTS (E.G., PLOT, DIALOGUE, RHYME SCHEME, ETC.).

Although the Stages software does not directly assess the student's ability to communicate, it provides an accessible means for the student to write independently and to create a piece of original written expression.

Related Stages Assessment Activities:

Stage Seven: Making Stories

Language Usage Grades PreK-3

Maryland Learning Outcomes and Indicators

LEARNING OUTCOME 1:

STUDENTS WILL DEMONSTRATE THEIR ABILITY TO USE THE STRUCTURES AND CONVENTIONS OF THE ENGLISH LANGUAGE IN THEIR WRITTEN COMMUNICATION.

1. Use standard English language conventions correctly to communicate clearly, including
 - ♦ sentence structure
 - ♦ punctuation
 - ♦ capitalization
 - ♦ grammar and usage
2. Use language appropriate for a specific audience and purpose
3. Spell correctly high-frequency and pattern words in their own writing

Related Stages Assessment Activities:

Stage Five: Reading: High Frequency (Explore and Assess)

Stage Seven: Making Words: Copy Words, High Frequency Words, Rhyming Words
Making Sentences: Spelling and Grammar, Building Sentences, Writing Sentences
Making Stories

Reading Grades PreK-3

Maryland Learning Outcomes and Indicators

LEARNING OUTCOME 1:

STUDENTS WILL DEMONSTRATE THEIR ABILITY TO READ FOR LITERARY EXPERIENCE BY EXAMINING, CONSTRUCTING, AND EXTENDING MEANING FROM STOIRES, PLAYS, POEMS, AND OTHER WORKS OF FICTION.

2. Explain the connections between illustrations and text and how illustrations support text.

Related Stages Assessment Activities:

Stage Six: Stories: Cody, Mitchell, Meg, Adam, Ryan

Stage Seven: Making Stories

Note: Although Stages does not assess the learner's ability to explain the connection between illustrations and text, it provides both an alternative means of access to text and a writing tool for the learner to demonstrate the indicated skills.